SYSTEM AND METHOD FOR ALLOCATING COMPUTING RESOURCES

Abstract of Disclosure

In certain aspects, the invention features a system and method for (1) receiving one or more reservations for use of at least a first subset of a plurality of computing resources of a distributed computing system, wherein each of the one or more reservations specifies a period of time for use of the computing resources, (2) allocating the first subset of the computing resources for use in accordance with the one or more reservations, (3) receiving one or more requests for use of at least a second subset of the plurality of computing resources of the distributed computing system, wherein each of the one or more requests specifies a period of time for use of the computing resources, (4) determining whether a sufficient amount of one or more unallocated computing resources are available to fulfill all of the one or more requests, wherein the one or more unallocated computing resources comprises the computing resources of the distributed computing system that are not allocated in accordance with said one or more reservations, (5) responsive to a sufficient amount of the unallocated computing resources being available, allocating the unallocated computing resources in accordance with the one or more requests, and (6) responsive to a sufficient amount of the unallocated computing resources not being available, allocating the unallocated computing resources in accordance with an allocation criteria.

Figures

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